

## 013662 - San Clemente Shoreline, CA

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### San Clemente Updates:

This year the study is focused on completion of the integrated Coastal Engineering & Economics model and revision of the Project Management Plan (PMP).

The model is a critical part of the With Project Conditions analysis. Once complete, it will fully evaluate the various proposed plans and determine the final federally recommended plan.

The PMP document defines the planning approach, activities to be accomplished, and the proposed project schedule. It also outlines the associated costs the Federal Government and the Non-federal Sponsor will be supporting throughout the process. Because planning is an iterative process without a predetermined outcome, funding needs may change as the formulation, reformulation, and evaluation of alternatives progresses over time. An amended Federal Cost Share Agreement (FCSA) will be implemented following the completion of the revised PMP.

### Executive Summary:

Loss of shore protection and recreational beach width is a continuous problem for the City of San Clemente. Damages to coastal, residential, and commercial properties from storm-induced waves have become a serious threat. This study is investigating alternatives to provide shoreline protection to San Clemente and the adjacent rail lines.

Increased erosion of the shoreline has caused a considerable amount of concern among local officials. Since the El Nino storms of 1983, the beach width has continued to erode. Measurements taken in 1999 indicate local beach width is less than half the width measured in 1958 and 1981. The Corps Reconnaissance Study initiated in March 2000 found that there is a federal interest in continuing the study into the feasibility phase.

### Background Information:

The San Clemente Shoreline Protection Feasibility Study area is located on the Pacific Ocean coastline at San Clemente in Orange County, Calif. Running along the entire length of the San Clemente shoreline is a portion of the LOSSAN (Los Angeles to San Diego) railroad corridor, a major passenger rail line linking San Diego to the rest of the United States, owned by the Orange County Transportation Authority (OCTA). This commuter rail corridor is among the busiest in the country and separates the beach from the bluff. The San Clemente Beach shoreline from Shorecliff beach to San Mateo Point is approximately eight kilometers (five miles) in length and is characterized by narrow, sandy beaches backed by high coastal bluffs.

### Sponsor/Stakeholders:

The City of San Clemente is the non-federal sponsor for this project.

Los Angeles District and the City of San Clemente are responsible to conduct and coordinate the study. Other organizations that have participated and will continue to participate in the study process include the following agencies and groups:

City of San Clemente, Marine Safety, Department of Beaches, Parks and Recreation  
County of Orange Public Facilities and Resources  
Orange County Board of Supervisors  
Orange County Transportation Authority  
Southern California Regional Rail Authority  
Congressman Ken Calvert  
Corps National Marine Fisheries Service  
California Coastal Commission  
California Coastal Coalition  
California Department of Fish and Game  
US Fish and Wildlife Service  
Surfrider Foundation  
Orange County Coast Keeper  
News Releases/Media Info

### FAQs:

1. Where is the study area located?

The study area is located in Orange County, California. It includes the entire San Clemente shoreline from Shorecliff Beach to San Mateo Point, approximately eight kilometers (five miles). Along the entire length of shoreline runs the major passenger rail linking San Diego and Los Angeles, owned by the Orange County Transportation Authority (OCTA).

2. Why is the San Clemente shoreline being studied?

In recent years, increased erosion of the San Clemente shoreline has caused the City great concern. During the last two decades, erosion has significantly reduced the already narrow beaches such that considerable infrastructure has become threatened by coastal storm events. Both public and private facilities, including the OCTA railroad corridor, the City of San Clemente Marine Safety Building, restroom facilities, lifeguard stations, parking areas, paving adjacent to the pier, underground utilities, and the Capistrano Shores Trailer Court (a private community of trailer owners), are at risk for storm damages from wave attack and inundation.

3. What are the goals of the San Clemente Shoreline Feasibility Study?

The Feasibility Study is a comprehensive study that formulates and defines alternative plans of improvement that best satisfy the study's planning objectives. It includes a detailed analysis of the present, future, and without project conditions of the San Clemente shoreline study area. The goals of the Feasibility Study are to investigate the erosion problem more thoroughly and develop alternative solutions.

4. How much does the San Clemente Shoreline Feasibility Study cost?

Current study costs are estimated at \$2.1M. However, a cost increase is being proposed as additional funding will be needed to complete the study. The revised Project Management Plan (PMP) will reflect this increase and an amended Federal Cost Share Agreement (FCSA) will be implemented. As the local sponsor, the City is responsible for 50% of the total study costs. A portion of the City's contribution may be provided as in-kind services.

5. What is the San Clemente Shoreline Feasibility Study timeline?

Currently we are conducting the plan formulation and analysis for the With Project Conditions phase of the study. A key component of this phase is completion of the integrated Coastal Engineering & Economic model. Depending on the funding levels provided, we anticipate completing the draft With Project Conditions report (F4 Draft Report) in December 2006 and the Alternative Review Conference (F4 Conference) in February 2007.

The Without Project Conditions report (F3 Report) was completed in 2004 and is available by request. This report established all the baseline conditions for the study.

6. What will the result of the San Clemente Shoreline Feasibility Study be?

The Feasibility Study will result in determination of the best project alternative. One that will resolve the shoreline erosion problem and enhance overall beach stability.

Schedule:

Dec 04 & Feasibility Scoping Meeting (F3) without Project Conditions  
Feb 07 & Alternative Review Conference (F4)  
May 07 & HQ Alternative Formulation Briefing (F4A)  
Sep 07 & Draft Feasibility Report and Draft EIS  
Apr 08 & Final Feasibility Report and Final EIS (F8)  
May 08 & Division Engineer's Public Notice  
Aug 08 & Chief of Engineer's Report

Photos:

Area Map of San Clemente Shoreline

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